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Spray Controller

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SENIOR DESIGN

TECHNICAL REPORT

for

Spray Controller

title

in partial fulfillment of the requirements

for the degree of

BACHELOR OF SCIENCE



presented to the

ELECTRICAL ENGINEERING TECHNOLOGY FACULTY

INDIANA UNIVERSITY-PURDUE UNIVERSITY AT FORT WAYNE

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Tom Bearman

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ABSTRACT

The spray controller is used in agriculture to control the amount of liquid chemicals being sprayed in a field. A microprocessor controls a fluid flow control valve and a display after taking into account ground speed, fluid flow rate, spray width, required gallons per acre, and other miscellaneous inputs. The tractor's regulator and alternator supply the necessary power requirements.

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